

Classwork 11.1 Solving a System by Graphing

Solve the following systems by graphing. If the graphs have no solution or infinite solutions, say so.

$$\begin{array}{l} 1. \quad y = x - 4 \\ \quad \quad 2x - 5y = -10 \end{array}$$

$$\begin{array}{l} 2. \quad y = \frac{2}{3}x - 1 \\ \quad \quad 2x - 3y = 6 \end{array}$$

Solve the following systems by substitution. If the system has no solution or infinite solutions, say so.

$$\begin{array}{l} 3. \quad x = 3y + 2 \\ \quad \quad x = 7y - 6 \end{array}$$

$$\begin{array}{l} 4. \quad y = 11x + 1 \\ \quad \quad -5x + y = -5 \end{array}$$

$$\begin{array}{l} 5. \quad y = 2x + 3 \\ \quad \quad 4x - 2y = -6 \end{array}$$